

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1686	((cap\$4 layer) with recess\$3) and damascene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/06 09:53
L2	80	((capping or cap) adj layer) with recess\$3) and damascene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/06 09:53
L3	44	("5262354" "5300813" "5371047" "5403779" "5423939" "5451551" "5470789" "5595937" "5693563" "5731245" "5744376" "5814557" "5886411" "5891804" "5939788" "5942449" "5976967" "5981377" "6001733" "6004188" "6028362").PN. OR ("6114243"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/06 10:42
L4	11	("5744376" "6093647" "6114243" "6274499" "6291332" "6297158" "6383917" "6537912" "6537913").PN. OR ("6706625").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/06 10:43
S1	4	((("6207552") or ("6100184"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/12 09:22
S2	343	(257/761).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/12 14:27
S4	769	(438/648).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/12 14:57
S5	4	beta near2 tantalum and alpha near2 tantalum and "tantalum nitride" and "dual damascene" and "diffusion barrier"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/12 15:00

S6	16	beta near2 tantalum and alpha near2 tantalum and "tantalum nitride" and (cap\$4 or "capping layer")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/12 15:02
S7	35	beta near2 tantalum and alpha near2 tantalum and "tantalum nitride"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/12 15:06
S8	36	beta near3 tantalum and alpha near3 tantalum and "tantalum nitride"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/12 15:07
S9	44	beta near3 tantalum and (alpha or bcc!) near3 tantalum and "tantalum nitride"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/12 16:09
S10	2096	(438/656).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/12 15:10
S11	689	(438/685).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/12 15:37
S12	1220	(257/704).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/12 15:38
S13	512	(257/710).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/12 15:39

S14	198	(438/559).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/12 15:38
S15	100	(438/902).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/12 15:44
S16	4931	tantalum and (liner or "capping layer")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/12 16:13
S18	52	alpha near2 tantalum and "tantalum nitride" and (liner or "capping layer" or cap\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/13 09:16
S19	5	((("6291885") or ("5221449") or ("5281485")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/12 16:19
S21	15	("5824599" "6096648").PN. OR ("6207552").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 09:04
S22	42	beta near2 tantalum and "tantalum nitride" and (liner or "capping layer" or cap\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/13 09:23
S23	5	"composite capping layer"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/13 09:24
S24	4931	("capping layer" or liner) and tantalum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/13 09:25

S25	32	("capping layer" or liner) and "tantalum nitride" and alpha and beta	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/13 09:55
S26	39	("3406043" "3558461" "3663408" "3847658" "3878079" "4058445" "4251326" "4364099").PN. OR ("5281485"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/13 09:33
S27	2463	(electromigration or "stress migration") and tantalum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/13 09:56
S28	1399	(electromigration or "stress migration") and "tantalum nitride"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/13 09:56
S29	13	(electromigration or "stress migration") and "tantalum nitride" and beta near2 tantalum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/13 09:56

S30	57	(US-20030116854-\$ or US-20030124262-\$ or US-20030186539-\$ or US-20030207558-\$ or US-20040018722-\$ or US-20040209460-\$ or US-20040251548-\$ or US-20040251556-\$ or US-20050032367-\$ or US-20050056939-\$ or US-20050062159-\$ or US-20050074968-\$ or US-20040063310-\$ or US-20040131878-\$).did. or (US-4985371-\$ or US-4998157-\$ or US-5049975-\$ or US-5098860-\$ or US-5221449-\$ or US-5281485-\$ or US-5436504-\$ or US-5747384-\$ or US-5833817-\$ or US-5956612-\$ or US-5985759-\$ or US-6051490-\$ or US-6054382-\$ or US-6100184-\$ or US-6136690-\$ or US-6146998-\$ or US-6221757-\$ or US-6229211-\$ or US-6274487-\$ or US-6284646-\$ or US-6291342-\$ or US-6333261-\$ or US-6429524-\$ or US-6455418-\$ or US-6455424-\$ or US-6472309-\$). did. or (US-6486063-\$ or US-6498091-\$ or US-6569751-\$ or US-6590251-\$ or US-6645853-\$ or US-6649518-\$ or US-6660634-\$ or US-6689684-\$ or US-6756321-\$ or US-6800938-\$ or US-6806192-\$ or US-6734559-\$ or US-6207552-\$ or US-6040226-\$ or US-5872696-\$ or US-6723634-\$ or US-6770977-\$). did.	US-PGPUB; USPAT	OR	ON	2005/04/13 13:09
S31	0	("2004/0131878").URPN.	USPAT	OR	ON	2005/04/13 10:37
S32	12	((("6339258") or ("6221757") or ("6297140") or ("6291885") or ("6362027"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/13 11:09
S34	54	"erb, darrell".in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/13 11:10

S35	110	"avanzino, steven".in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/13 11:11
S36	90	"woo christy".in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/13 11:11
S37	0	S34 and S35 and S36	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/13 11:11
S38	224	S34 or S35 or S36	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/13 11:11
S39	3	"6346745"	US-PGPUB; USPAT	OR	ON	2005/04/13 13:27
S40	2	("6207552").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/13 13:27

S41	65	(US-20030116854-\$ or US-20030124262-\$ or US-20030186539-\$ or US-20030207558-\$ or US-20040018722-\$ or US-20040209460-\$ or US-20040251548-\$ or US-20040251556-\$ or US-20050032367-\$ or US-20050056939-\$ or US-20050062159-\$ or US-20050074968-\$ or US-20040063310-\$ or US-20040131878-\$).did. or (US-4985371-\$ or US-4998157-\$ or US-5049975-\$ or US-5098860-\$ or US-5221449-\$ or US-5281485-\$ or US-5436504-\$ or US-5747384-\$ or US-5833817-\$ or US-5956612-\$ or US-5985759-\$ or US-6051490-\$ or US-6054382-\$ or US-6100184-\$ or US-6136690-\$ or US-6146998-\$ or US-6221757-\$ or US-6229211-\$ or US-6274487-\$ or US-6284646-\$ or US-6291342-\$ or US-6333261-\$ or US-6429524-\$ or US-6455418-\$ or US-6455424-\$ or US-6472309-\$). did. or (US-6486063-\$ or US-6498091-\$ or US-6569751-\$ or US-6590251-\$ or US-6645853-\$ or US-6649518-\$ or US-6660634-\$ or US-6689684-\$ or US-6756321-\$ or US-6800938-\$ or US-6806192-\$ or US-6734559-\$ or US-6207552-\$ or US-6040226-\$ or US-5872696-\$ or US-6723634-\$ or US-6770977-\$ or US-6663787-\$ or US-6599827-\$ or US-6555461-\$ or US-6358840-\$ or US-6096648-\$ or US-6433429-\$ or US-6346745-\$).did. or (US-6207552-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2005/04/13 14:11
S42	45	S41 and tantalum and thick\$4	US-PGPUB; USPAT; DERWENT	OR	ON	2005/04/13 16:55
S43	47	"diffusion barrier" and alpha near2 tantalum	US-PGPUB; USPAT; DERWENT	OR	ON	2005/04/13 15:55
S44	27	S41 and (pvd or "physical vapor deposition") and tantalum	US-PGPUB; USPAT; DERWENT	OR	ON	2005/04/13 16:55

S45	8	(("6207552") or ("6346745") or ("6221757") or ("6096648")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/15 10:47
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